

PLAAS Farms Management System | Limited Proof of Extinction

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Abstract

According to current forecasts, world agricultural production will have to increase by 70% by the year 2050 to meet the food demands of a world population of over 9 billion. The good news is that there is no need to invent anything new to respond to this challenge; instead, we need to realize the productive potential of different farmers by offering them with ways in which they can advertise their produce, reliable pesticides and fertilizers suppliers. Ways in which they can sell their products across the globe to different people of different choices.

Problem Statement It is a matter of fact that some parts of the globe has a great and better outstanding of both crops, vegetables and meat production. Whereas statistics on the other shows a poor production of both productions and sometimes it is not that farmers don't know how to produce such products to feed or sell to their nations as well as other countries. It is because of the following outlined major problems: The problem of stray cattle on roads is not new to most of the whole world, and these animals often bring the flow of traffic on busy roads to a standstill along with major road accidents. Stray cattle roaming around freely in the cities have become a serious problem.

The situation turns all the more worse at night when it becomes difficult for the drivers to spot the stray animals due to darkness. These animals also pose problems to drivers; especially during the night. Vehicles usually move at a high speed on the roads thus posing more risk to lives of their occupants as well as stray animals. These abandoned animals can be spotted at many points in the city.

Most cows roaming in the street of cities are not healthy cows; they do not live on grass or other hygienic foods. Most of these cows constantly eat food from garbage and leftovers. Even though it may not be obvious, many of them are actually have diseases or sick. So, eating their meat or drinking their milk is raising the health concerns. Agricultural marketing still continues to be in a bad shape in rural areas of some nations. In the absence of sound marketing facilities, the farmers have to depend upon local traders and middlemen for the disposal of their farm produce which is sold at throw-away price. Most the farms soils have been used for growing crops over thousands of years without caring much for replenishing. This has led to depletion and exhaustion of soils resulting in their low productivity. The average yields of almost all the crops are among the lowest in the world. This is a serious problem which can be solved by using more manures and fertilizers. Seed is a critical and basic input for attaining higher crop yields and sustained growth in agricultural production. Distribution of assured quality seed is as critical as the production of such seeds. Unfortunately, good quality seeds are out of reach of the majority of farmers, especially small and

marginal farmers mainly because of exorbitant prices of better seeds.

Keywords:

1. Proposed Solution

The development of a decentralized farms management system (Plaas) that is built on the Blockchain knowledge which will run under a technology called Limited Proof of Extinction. Introduced and set to reduce middle men difficulties and also ensure easy marketing across all nations

1.1. Critical feature of the system

1.2. 1. BRANDING

Tracking and tracing origins of animals or fowl. Buyers of a product or sellers can be able to rely on immutable ledger accounts showing full details of the product they want to buy or sell.

1.2.1. 2. SMART CONTRACTS

Records will be kept on one of the decentralized smart contracts platform that is the ethereum blockchain thereby providing farmers with daily records of who they sold the product to and who bought the product and which breed of seed or breed of animal is doing well and which is not.

1.2.2. DATA

Data storage and accessibility it is almost the important aspect of why systems are developed every day. The system will capture information in real-time (Plaas wireless sensors to be integrated in participating fields for easy monitoring of growth and harvest of crops). Use of Animal Radio Frequency Identification (RFID) and Global Positioning System (GPS) technologies developed under the blockchain blueprint

Plaas protocol provides a data storage and validation service via a network of independent validators that does not rely on a single coordinator, where:

clients pay to retrieve data

Farmers earn tokens by offering data

Validation Miners earn tokens by validating data

4. GOVERNANCE AND VERIFICATIONS Governance and transparenence throughout the growth of crops and animals. Verify product and sales through the use of the Plaas ERC20 tokens.

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HOW LIVESTOCK RFID WORKS

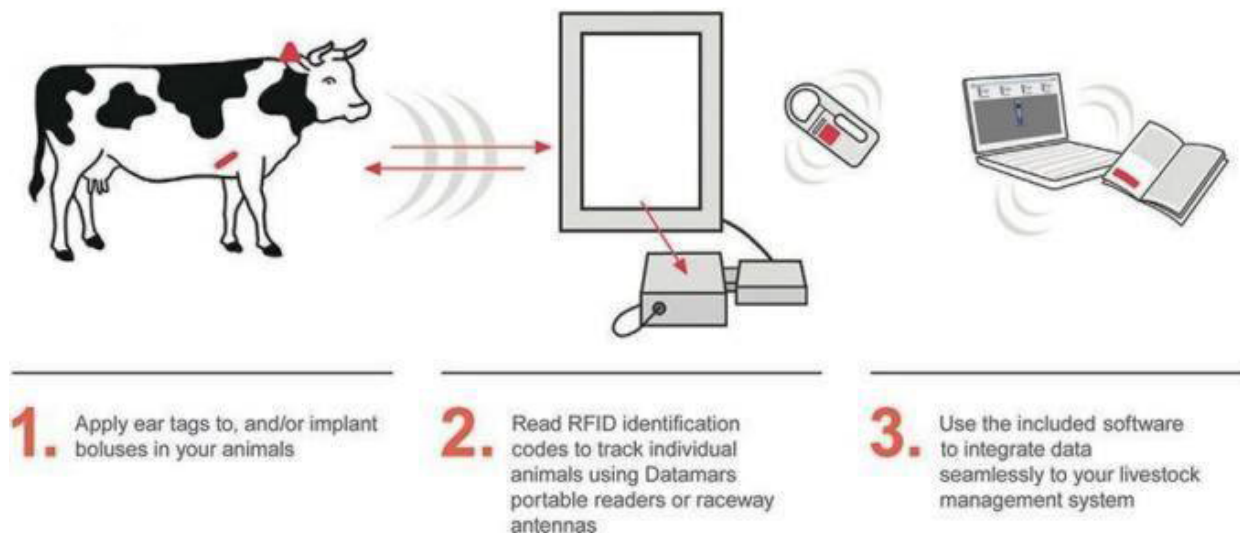


Figure 1:

2. How the system make money?

I. Tokenizing

Since Plaas is decentralized farms management application that enables individual farmers or co-operatives to manage their daily farming productions and stock on the blockchain system, using various blockchain technologies. A big question arise, how are you going to make money as a company due to the fact that no one regulate the system. Indeed it is a decentralized application but making money reside under the mandate behind bitcoins and other crypto currencies technologies. The system will be tokenized hence making it a billion dollar platform because of its demand usage in most countries. Tokenizing a system like this means as users interact with the system, the more the value of the token gets value thus more profits to the Plaas management team and stakeholders. The launch of Plaas token could be estimated to start from \$1.00 per token whereas a total of 15,000,000 PLS tokens will be initiated. Consider the ideal fact that there are more than farmers Plaas can benefit after an official release of the application, with that opportunity in mind, the token is estimated to grow at 89% daily thus giving an effective growth of the token.

2.1. II. Subscriptions

Plaas web platform is going to be free for farmer interested in managing their farms. Whereas a mobile and desktop version of the application will cost a farmer roughly \$5.00 monthly subscription because of the advanced features introduced to the platforms. An

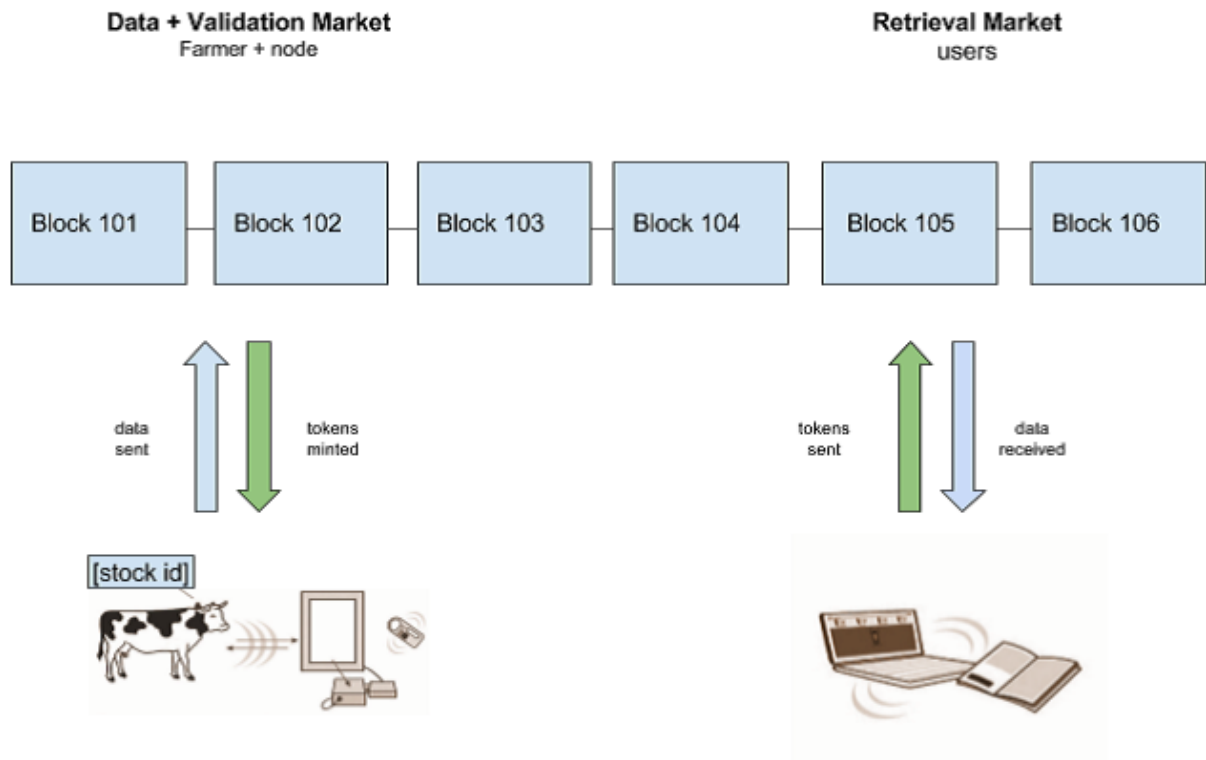


Figure 2:

advanced features include Multi offline features support, plants and animal real time growth and movement tracking.

2.1.1.

III. Advertising. Mobile advertising remains the most profitable app revenue model. 7 out of 10 app providers used it in 2016, 18% plan to use it in the near future. Using ads to monetize app is quite simple, all required is to display commercial inside the Plaas web and mobile versions and get paid from the ad networks.

Author biography

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